



## CV (Short Version)

**Maria Emília da Silva Baltazar**

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Nationality	Portuguesa
Birth	5 de Agosto de 1969
Gender	Feminino

### General information

- PhD student in Aeronautical Engineering at the Universidade da Beira Interior; Title of work: *Air Transport Performance and Global Decision Analysis*; Start / End (expected) of the work: October de 2011 / December de 2016.
- Researcher at the Institute for Research and Innovation in Civil Engineering for Sustainability (CERis) IST Lisbon University.
- Vice-President of the Associação de Investigação Científica em Engenharia Aeroespacial (AEROG)
- Portugal MC Substitute for COST action TU1408 – Air Transport and Regional Development (ATARD).

### Scientific Papers in Journals

#### 2015

- Margarida Vaz, Maria E. Baltazar and Jorge Silva, 'Dynamic Processes of an Airport's System. Applying Value Network Analysis (VNA) to the Air Traveller Experience', *Journal of Spatial and Organizational Dynamics*, III (2015), 311–29.
- João Jardim and others, 'Airports Operational Performance and Efficiency Evaluation Based on Multicriteria Decision Analysis (MCDA) and Data Envelopment Analysis (DEA) Tools', *Journal of Spatial and Organizational Dynamics*, III (2015), 296–308.

## 2014

- Maria E. Baltazar and others, 'Air Transport Performance and Efficiency: MCDA vs. DEA Approaches', in *Procedia – Social and Behavioral Sciences (Elsevier)*, 2014, cxi, 790–99 <<http://dx.doi.org/10.1016/j.sbspro.2014.01.113>>.

## 2012

- Margarida Vaz, José Manso, and others, 'Tourism and Regional Growth: A Panel Data Approach', *Journal of Tourism and Development*, 17/18 (2012), 1781–92.

## Scientific Papers in Conferences

### 2016

- Maria E. Baltazar and Jorge Silva, 'Global Decision Support for Airport Performance and Efficiency Assessment', in *20TH ATRS World Conference*, 2016.

### 2015

- Tiago Rosa, Maria E. Baltazar and Jorge Silva, 'MCDA Modelling of Airport Impacts due to LCC' S Operation', in *International Conference on Engineering of University of Beira Interior – Engineering for Society*, 2015.
- Maria E. Baltazar, Paulo Marchão, Francisco Fernandes and Jorge Silva, 'Global Decision Analysis Model for Airport Performance Management', in *3 EJIL – 3rd LAETA Young Researchers Meeting*, 2015.
- Jorge Silva and others, 'Air Transport Observatory in Secondary Airports (AIROBS)', in *2nd International Conference of the Airport Development*, 2015.
- Paulo Marchão and others, 'Airport Benchmarking Process and the Key Performance Area of Safety/Security', in *2nd International Conference of the Airport Development*, 2015.
- Miguel Miranda, Maria E. Baltazar and Jorge Silva, 'Airlines Performance and Efficiency Evaluation Using a MCDA Methodology . The Case for Low Cost Carriers vs Legacy Carriers', *International Conference on Engineering of University of Beira Interior – Engineering for Society*, 2015, 1–14.
- Manuel Duarte, Maria E. Baltazar and Jorge Silva, 'Business Aviation World Market Evolution and Business Models Analysis – A Solution to Be Closer', *International Conference on Engineering of University of Beira Interior – Engineering for Society*, 2015.
- Pedro Alves, Maria E. Baltazar, Paulo Marchão, and others, 'The Airport as a Catalytic Element of the Regional Development in the Hinterland', in *2nd International Conference of the Airport Development*, 2015.
- Maria E. Baltazar, Paulo Marchão, Francisco Fernandes and Jorge Silva, 'Airport Performance Management, Hinterland Impact, and Global Decision Analysis Model', in *12th Aviation Student Research Workshop*, 2015.

### 2014

- Maria E. Baltazar, João Jardim, Pedro Alves, Paulo Marchão, and others, 'Airport Performance and Efficiency Assessment: A New Approach', in *18TH ATRS World Cconference*, 2014.
- Pedro Alves, Paulo Marchão, Maria E. Baltazar, and others, 'Determination and Evaluation of the Airport Catchment Area', in *11th Annual Transports Study Group Conference*, 2014.

## 2013

- Pedro Alves, Maria E. Baltazar, Jorge Silva, and others, 'The Impact of Hinterland over The Global Efficiency of Airports', in *19th Portuguese Association for Regional Development (APDR) Congress*, 2013, pp. 1–17.
- Maria E. Baltazar, João Jardim, Pedro Alves and Jorge Silva, 'Iberian Airports Benchmarking Based on Both a Non-Parametric Approach and a Multi-Criteria Analysis', in *19th Portuguese Association for Regional Development (APDR) Congress*, 2013.
- Maria E. Baltazar, João Jardim, Pedro Alves and Jorge Silva, 'Air Transport Performance and Global Decision Analysis', in *17th Air Transport Research Society (ATRS) World Conference*, 2013, pp. 1–8.
- Maria E. Baltazar, 'Air Transport Performance and Global Decision Analysis', in *10th Annual Transports Study Group Conference*, 2013 .
- Maria E. Baltazar, João Jardim, Pedro Alves and Jorge Silva, 'Air Transport Performance Efficiency: MCDA vs. DEA Approaches', in *16th Meeting of the EURO Working Group on Transportation*, 2013.
- Margarida Vaz, Jorge Silva, Maria E. Baltazar and Tiago Marques, 'Regional Airports and Regional Development: Two Portuguese Case Studies', in *19th Portuguese Association for Regional Development (APDR) Congress*, 2013.

## 2012

- João Jardim, Maria E. Baltazar and Jorge Silva, 'Airports Performance And Efficiency Evaluation Based On Multidimensional Tools', in *4th Central European Regional Science Conference*, 2012
- José Braz, Maria E. Baltazar, João Jardim, and others, 'Performance and Efficiency Evaluation of Airports . The Balance Between DEA and MCDA Tools .', in *AIRDEV – Airport Development Conference*, 2012.
- Maria E. Baltazar, Jorge Silva, Margarida Vaz, Verna Allee, and others, 'Interrelationships Among Airports And The Hinterland Players. A Value Network Analysis Approach', in *4th Central European Regional Science Conference*, 2012.
- José Braz, Maria E. Baltazar, Jorge Silva, and others, 'MACBETH as a Multi-Criteria Decision Analysis Tool To Benchmark Airports', in *II LAETA Young Researchers Meeting*, 2012.
- Margarida Vaz, Jorge Silva, Maria E. Baltazar and Tiago Marques, 'Regional Airports, Tourism and Development: Two Portuguese Case Studies', in *2nd Advances in Hospitality and Tourism Marketing and Management Conference*, 2012.

- Margarida Vaz, Jorge Silva, and others, 'Tourism and Regional Growth: A Panel Data Approach', in *Proceedings of INVTUR 2012 International Conference*, 2012.
- Margarida Vaz, Jorge Silva, Maria E. Baltazar, Tiago Marques, and others, 'Dynamic Processes of an Airport's System. A Value Network Analysis', in *AIRDEV – Airport Development Conference*, 2012.

## 2011

- José Brás and others, 'MacBeth as a MCDA Tool to Benchmark the Iberian Airports', in *51st ERSA – Regional Science Association International Congress*, 2011.
- Maria E. Baltazar, José Braz, Jorge Silva and Margarida Vaz, 'New Business Models for Airport Landside. Insights and Challenges Based on Value Network Analysis', in *ICEUBI2011: International Conference on Engineering UBI2011 Innovation & Development*, 2011.
- Maria E. Baltazar, José Braz, Jorge R. Silva and Margarida Vaz, 'Insights and Challenges about the Use of VNA on Airport/Hinterland Linkages', in *51st ERSA – Regional Science Association International Congress*, 2011.

## Participation in Scientific Projects

- Project (MIT-pt/TS-AAS/0046/2008) de I&D da FCT under the Program MIT-Portugal entitled *AIRDEV - Business Models for Airport Development Management*. Duration: September 2009 to December 2012. Proponent institution: IST (Lisbon). Other participating institutions: Alstom (Saint-Ouen), FEUP - Faculty of Engineering, UP (Porto), INAC (Lisbon), Coimbra (Coimbra), and University of Antwerp.

## Participation in Scientific Events Program Committees

- 1st COST Workshop on the Relationship between Air Transport and Regional Development – Chair on the panel for Regional Assessments, Amsterdam University of Applied Sciences (Hogeschool van Amsterdam) 3th June 2015.
- ICEUBI2015 - International Conference on Engineering, organized by the Engineering Faculty of UBI, December 2-4, 2015- Member of Secretariat and Local Organisational Commission.
- AIRDEV II Conference 2015, organized by Instituto Superior Técnico, Antuwerp University and the Indian Institute of Science (IISc, Bangalore), held in IISc from Novembro 4-6, 2015 - Member of the International Organizing Committee.
- 2014 January: GET'2014 - 11th Annual Conference Transports Study Group (GET), Covilhã, 6th and 7th January.
- 2013 November: ICEUBI '2013 - International Conference on Engineering UBI2013 (Engineering for Economic Development), Covilhã, Portugal, 27-29 November.
- 2011 November: ICEUBI2011 - International Conference on Engineering UBI2011 (Innovation and Development), Covilhã, Portugal, 28-30 November.2014,

Janeiro: GET'2014 - 11th Annual Transports Study Group Conference (GET), Covilhã, 6th and 7th January.

### **Participation in Teacher Training Actions**

- 2013 March: participating in the Advanced Training Action Panel Data Analysis, held on 2-4 in UBI / DGE.
- 2012, January: taking part in the Advanced Training Action Robust Statistical Methods, held on 25 and 26 on UBI / DGE.

### **Master's Student Monitoring**

- Academic year 2015-2016: within the course of Master in Aeronautical Engineering UBI follows the guidance of the work of Francisco Fernandes, Paulo Marchão, Tiago Rosa, Miguel Miranda, Duarte Cachola, Manuel Duarte, Inês Cruz e Inês Fonseca Theses.
- Academic year 2014-2015: within the course of Master in Aeronautical Engineering UBI follows the guidance of the work of Francisco Fernandes and Paul Marchão Theses.
- 2014 November: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Determination and Evaluation of the Airport Catchment Area: a Case Study* by Pedro Alves (18/20 points).
- 2012, November: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Airports Efficiency Evaluation Based on MCDA and DEA Multidimensional Tools* by João Jardim (19/20 points).
- 2011, November: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *O MacBeth como Ferramenta MCDA para o Benchmarking de Aeroportos* by José Braz (19/20 points).

### **Participation in scientific initiatives**

- 2014 December: under the course (UC) of Economy and Air Transport Management of the 4th year of the MSc in Aeronautical Engineering UBI organizes at the request of responsible for UC, an Open Lecture entitled Evaluation the Airport sector performance.

### **Participation in Consulting services initiatives**

- Member of the technical advisory team of UBI, part of the consulting team of TIS, SA, for the purpose of preparing for the Inter-Municipality Community of Beiras and Serra da Estrela (CIM-BSE) Action Plan and Sustainable Urban Mobility (PAMUS -NUTSIII) of its land area - Beginning of work: September 7, 2015.

- Member of the technical advisory team of UBI with the aim of determination to the Municipality of Belmonte optimal routes for school transport in the respective municipality with capacity constraints inherent to vehicles addressed to that objective- Beginning of work: 11 December 2015